

**Notice of Allowability**

Application No.

10/605,145

Examiner

Brenda A Lamb

Applicant(s)

MCCULLOUGH, KEVIN A.

Art Unit

1734

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to interview summary of 11/09/2004.
2. ☒ The allowed claim(s) is/are 1-5 and 8-9 renumbered as claims 1-7.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 11/09/2004
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

### EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney Tetreault on 11/09/2004.

The application has been amended as follows: at line 3 of at line 6 of claim 1 after "a trailing edge" delete ";" and insert – wherein said injection molding die further comprising a fiber feed tube extending through said septum wall with an input end on the --; delete line 7 of claim 1; at line 3 of claim 1 after "an injection molding die having" insert – an outer wall having an outer surface, --; at line 8 of claim 1 delete "exterior of said head" and insert – on the outer surface --; at line 11 of claim 1 after "injection molding die" insert – such that said pressurized flow of molten polymer is deposited on a continuous strand of fiber reinforcing guided by said fiber feed tube through said injection molding die thereby producing a reinforced thermoplastic material --; at line 5 of claim 3 after "first direction on said" delete "fiber reinforcing strand" and insert -- continuous strand of fiber reinforcing --; at line 5 of claim 2 after "separates said linear flow into" delete "said two" and insert – two continuous -- ; at line 6 of claim 2 after "said two continuous" insert –separate --; at line 6 of claim 2 after "to eliminate turbulence" insert – thereby forming two continuous linear non-turbulent flows of molten polymer --; at line 3 of claim 3 after "said output end" insert – of said injection molding die --; at line

4 of claim 5 after "material flow channel" delete "between said input end and said output ends" and insert – defined by inner facing surface of said outer wall and extending from said input end to said output end, said material flow channel having --; at line 6 of claim 1 after "adjacent to said output end" delete "," and insert – wherein said injection molding die further comprising a fiber feed tube having a first end arranged on outer facing surface of said outer wall --; delete line 7 of claim 5; at line 8 of claim 5 delete "injection molding die"; at line 13 of claim 5 after "linear fashion" and insert – along its linear longitudinal axis --; at line 13 of claim 5 after "of said material flow channel" insert – and wherein said fiber feed tube has a longitudinal axis and a portion of said longitudinal axis of said fiber feed tube is in alignment with said linear longitudinal axis of said material flow channel --; at line 11 of claim 5 after "injection molding die" insert – such that said pressurized flow of molten polymer is deposited on a continuous strand of fiber reinforcing guided by said fiber feed tube through said injection molding die thereby producing a reinforced thermoplastic material --; cancel claim 7.

In the specification at paragraph 0001 on line 2 after "09/951,805," insert – now US Patent No. 6,783,716, --; at paragraph 0020 on line 8 after "plunger assembly" delete "(now shown)" and insert –100 --.

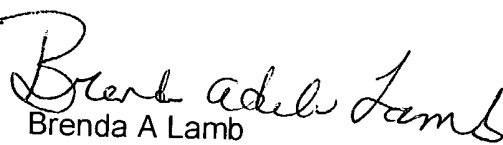
The following changes to the drawings have been approved by the examiner and agreed upon by applicant: black box to depict the means for injecting a pressurized flow of molten polymer material into said injection molding die (see the attachment). In order to avoid abandonment of the application, applicant must make these above agreed upon drawing changes.

The examiner has amended the continuation data to include priority to provisional application: at paragraph 0001 on line 2 after "September 13, 2001" and insert – which claims priority under 35 U.S.C. 119(e) to provisional application 60/236,486, filed September 29, 2000 --

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brenda A Lamb whose telephone number is (571) 272-1231. The examiner can normally be reached on Monday and Wednesday-Friday with alternate Tuesdays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chris Fiorilla can be reached on (571) 272-1187. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Brenda A Lamb  
Examiner  
Art Unit 1734